

# IONBOND standard coatings

NA coating portfolio: stamping & forming application recommendation

Application	Good	Better	Best
Blanking / Trimming	Ionbond TiN	IonBond TiC/TiN	Ionbond TiCN , IonBond Boron Carbide, TriboBond 40, TriboBond 41
Piercing	Ionbond TiN	IonBond TiCN, CrN or TiC	Ionbond MoST <sup>R</sup> , IonBond ADLC, IonBond Boron Carbide, TriboBond 40, TriboBond 41
Forming/Flanging/Drawing/Roll Forming/Cold Extrusion	Ionbond CrN, IonBond TiCN	IonBond TiC/TiN	IonBond TiC, TD Plus, IonBond MoST <sup>R</sup> , VANGUARD <sup>R</sup> , TriboBond 40, TriboBond 41, IonBond ADLC, IonBond Boron Carbide
Fine Blanking	IonBond TiN	IonBond TiCN or CrN	IonBond MoST <sup>R</sup>
Cold Forging	Ionbond TiN or Ionbond TiCn	IonBond TiC, TD Plus or TiC/TiN	IonBond MoST <sup>R</sup>
Hot Forging	IonBondTiC/TiN	IonBond TiAlN	Ion Bond CrN
Hot Extrusion	IonBond CrN, IonBond TiC/TiN	IonBond <i>ULTRACAST<sup>R</sup></i>	Bernex HSE
Die Casting	IonBond TiN	IonBond CrN	IonBond <i>ULTRACAST<sup>R</sup></i> , Bernex HSE
Plastic Applications	IonBond TiN	IonBond TiCN, IonBond CrN,	IonBond ADLC, IonBond Boron Carbide, TriboBond 41